

**\*10052648\***

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ENTERED

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/052,648A

DATE: 12/31/2002 P.6  
TIME: 13:55:33

Input Set : A:\Cura5501.app

Output Set: N:\CRF4\12312002\J052648A.raw

3 <110> APPLICANT: Anderson, David  
4 Burgess, Catherine  
5 Casman, Stacie  
6 Colman, Steven  
7 Edinger, Shlomit R.  
8 Ellerman, Karen  
9 Gerlach, Valerie  
10 Gunther, Erik  
11 Kekuda, Ramesh  
12 MacDougall, John R.  
13 Mehraban, Fuad  
14 Patturajan, Meera  
15 Rothenberg, Mark  
16 Shimkets, Richard  
17 Smithson, Glennda  
18 Spytek, Kimberly A.  
19 Stone, David J.  
20 Vernet, Corine A.M.  
21 Zerhusen, Bryan D.  
23 <120> TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF  
24 USING THE SAME  
26 <130> FILE REFERENCE: 21402-250 (CURA-550)  
28 <140> CURRENT APPLICATION NUMBER: 10/052,648A  
C--> 29 <141> **CURRENT FILING DATE: 2002-12-09**  
31 <150> PRIOR APPLICATION NUMBER: 60/262,454  
32 <151> PRIOR FILING DATE: 2001-01-18  
34 <150> PRIOR APPLICATION NUMBER: 60/272,920  
35 <151> PRIOR FILING DATE: 2001-03-02  
37 <150> PRIOR APPLICATION NUMBER: 60/284,549  
38 <151> PRIOR FILING DATE: 2001-04-18  
40 <150> PRIOR APPLICATION NUMBER: 60/303,229  
41 <151> PRIOR FILING DATE: 2001-07-05  
43 <150> PRIOR APPLICATION NUMBER: 60/262,892  
44 <151> PRIOR FILING DATE: 2001-01-19  
46 <150> PRIOR APPLICATION NUMBER: 60/263,605  
47 <151> PRIOR FILING DATE: 2001-01-23  
49 <150> PRIOR APPLICATION NUMBER: 60/269,098  
50 <151> PRIOR FILING DATE: 2001-02-15  
52 <150> PRIOR APPLICATION NUMBER: 60/264,159  
53 <151> PRIOR FILING DATE: 2001-01-25  
55 <150> PRIOR APPLICATION NUMBER: 60/265,517  
56 <151> PRIOR FILING DATE: 2001-01-31  
58 <150> PRIOR APPLICATION NUMBER: 60/271,855

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61 <150> PRIOR APPLICATION NUMBER: 60/267,057
62 <151> PRIOR FILING DATE: 2001-02-07
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65 <151> PRIOR FILING DATE: 2001-04-25
67 <160> NUMBER OF SEQ ID NOS: 97
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71 <210> SEQ ID NO: 1
72 <211> LENGTH: 3063
73 <212> TYPE: DNA
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112 ccagagactg gggcctgtgt atgtcccca gggcacagt gtgcacctg caggattgga 2160
113 atccaggagc cctttactgt gatgccgacc actccagtag cgtataactc gctgggtgca 2220

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Input Set : A:\Cura5501.app

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116 cgcctggacg gctccgagta tgtcatgcc aatgtccctc ccagctacag tcaactactac 2400
117 tccaacccca gctaccacac cctgtcgcag tgctcccca acccccccacc ccctaacaag 2460
118 gttccaggcc cgctctttgc cagcctgcag aaacctgagc ggccagggtg ggcccaaggg 2520
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128 tga 3063
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132 <211> LENGTH: 1020
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
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141 20 25 30
143 Glu Ser Phe Thr Thr Thr Thr Lys Glu Ser His Ser Arg Pro Phe Ser
144 35 40 45
146 Leu Leu Pro Ser Glu Pro Cys Glu Arg Pro Trp Glu Gly Pro His Thr
147 50 55 60
149 Cys Pro Gln Pro Thr Val Val Tyr Arg Thr Val Tyr Arg Gln Val Val
150 65 70 75 80
152 Lys Thr Asp His Arg Gln Arg Leu Gln Cys Cys His Gly Phe Tyr Glu
153 85 90 95
155 Ser Arg Gly Phe Cys Val Pro Leu Cys Ala Gln Glu Cys Val His Gly
156 100 105 110
158 Arg Cys Val Ala Pro Asn Gln Cys Gln Cys Val Pro Gly Trp Arg Gly
159 115 120 125
161 Asp Asp Cys Ser Ser Glu Cys Ala Pro Gly Met Trp Gly Pro Gln Cys
162 130 135 140
164 Asp Lys Pro Cys Ser Cys Gly Asn Asn Ser Ser Cys Asp Pro Lys Ser
165 145 150 155 160
167 Gly Val Cys Ser Cys Pro Ser Gly Leu Gln Pro Pro Asn Cys Leu Gln
168 165 170 175
170 Pro Cys Thr Pro Gly Tyr Tyr Gly Pro Ala Cys Gln Phe Arg Cys Gln
171 180 185 190
173 Cys His Gly Ala Pro Cys Asp Pro Gln Thr Gly Ala Cys Phe Cys Pro
174 195 200 205
176 Ala Glu Arg Thr Gly Pro Ser Cys Asp Val Ser Cys Ser Gln Gly Thr
177 210 215 220
179 Ser Gly Phe Phe Cys Pro Ser Thr His Ser Cys Gln Asn Gly Gly Val

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180 225                230                235                240
182 Phe Gln Thr Pro Gln Gly Ser Cys Ser Cys Pro Pro Gly Trp Met Val
183                245                250                255
185 Trp Arg Val Gly Pro Val Gly Met Gly Cys Gly Ser Gly Glu Asn Ser
186                260                265                270
188 Val Gly Gly Ala Lys Gln Gly Ser Lys Gly Thr Ile Cys Ser Leu Pro
189                275                280                285
191 Cys Pro Glu Gly Phe His Gly Pro Asn Cys Ser Gln Glu Cys Arg Cys
192                290                295                300
194 His Asn Gly Gly Leu Cys Asp Arg Phe Thr Gly Gln Cys Arg Cys Ala
195 305                310                315                320
197 Pro Gly Tyr Thr Gly Asp Arg Cys Arg Glu Glu Cys Pro Val Gly Arg
198                325                330                335
200 Phe Gly Gln Asp Cys Ala Glu Thr Cys Asp Cys Ala Pro Asp Ala Arg
201                340                345                350
203 Cys Phe Pro Ala Asn Gly Ala Cys Leu Cys Glu His Gly Phe Thr Gly
204                355                360                365
206 Asp Arg Cys Thr Asp Arg Leu Cys Pro Asp Gly Phe Tyr Gly Leu Ser
207                370                375                380
209 Cys Gln Ala Pro Cys Thr Cys Asp Arg Glu His Ser Leu Ser Cys His
210 385                390                395                400
212 Pro Met Asn Gly Glu Cys Ser Cys Leu Pro Gly Trp Ala Gly Leu His
213                405                410                415
215 Cys Asn Glu Ser Cys Pro Gln Asp Thr His Gly Pro Gly Cys Gln Glu
216                420                425                430
218 His Cys Leu Cys Leu His Gly Gly Val Cys Gln Ala Thr Ser Gly Leu
219                435                440                445
221 Cys Gln Cys Ala Pro Gly Tyr Thr Gly Pro His Cys Ala Ser Leu Cys
222                450                455                460
224 Pro Pro Asp Thr Tyr Gly Val Asn Cys Ser Ala Arg Cys Ser Cys Glu
225 465                470                475                480
227 Asn Ala Ile Ala Cys Ser Pro Ile Asp Gly Glu Cys Val Cys Lys Glu
228                485                490                495
230 Gly Trp Gln Arg Gly Asn Cys Ser Val Pro Cys Pro Pro Gly Thr Trp
231                500                505                510
233 Gly Phe Ser Cys Asn Ala Ser Cys Gln Cys Ala His Glu Ala Val Cys
234                515                520                525
236 Ser Pro Gln Thr Gly Ala Cys Thr Cys Thr Pro Gly Trp His Gly Ala
237                530                535                540
239 His Cys Gln Leu Pro Cys Pro Lys Gly Gln Phe Gly Glu Gly Cys Ala
240 545                550                555                560
242 Ser Arg Cys Asp Cys Asp His Ser Asp Gly Cys Asp Pro Val His Gly
243                565                570                575
245 Arg Cys Gln Cys Gln Ala Gly Trp Met Gly Ala Arg Cys His Leu Ser
246                580                585                590
248 Cys Pro Glu Gly Leu Trp Gly Val Asn Cys Ser Asn Thr Cys Thr Cys
249                595                600                605
251 Lys Asn Gly Gly Thr Cys Leu Pro Glu Asn Gly Asn Cys Val Cys Ala
252                610                615                620

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255 625 630 635 640
257 Tyr Gly Lys Arg Cys Val Pro Cys Lys Cys Ala Asn His Ser Phe Cys
258 645 650 655
260 His Pro Ser Asn Gly Thr Cys Tyr Cys Leu Ala Gly Trp Thr Gly Pro
261 660 665 670
263 Asp Cys Ser Gln Arg Cys Pro Leu Gly Thr Phe Gly Ala Asn Cys Ser
264 675 680 685
266 Gln Pro Cys Gln Cys Gly Pro Gly Glu Lys Cys His Pro Glu Thr Gly
267 690 695 700
269 Ala Cys Val Cys Pro Pro Gly His Ser Gly Ala Pro Cys Arg Ile Gly
270 705 710 715 720
272 Ile Gln Glu Pro Phe Thr Val Met Pro Thr Thr Pro Val Ala Tyr Asn
273 725 730 735
275 Ser Leu Gly Ala Val Ile Gly Ile Ala Val Leu Gly Ser Leu Val Val
276 740 745 750
278 Ala Leu Val Ala Leu Phe Ile Gly Tyr Arg His Trp Gln Lys Gly Lys
279 755 760 765
281 Glu His His His Leu Ala Val Ala Tyr Ser Ser Gly Arg Leu Asp Gly
282 770 775 780
284 Ser Glu Tyr Val Met Pro Asp Val Pro Pro Ser Tyr Ser His Tyr Tyr
285 785 790 795 800
287 Ser Asn Pro Ser Tyr His Thr Leu Ser Gln Cys Ser Pro Asn Pro Pro
288 805 810 815
290 Pro Pro Asn Lys Val Pro Gly Pro Leu Phe Ala Ser Leu Gln Lys Pro
291 820 825 830
293 Glu Arg Pro Gly Gly Ala Gln Gly His Asp Asn His Thr Thr Leu Pro
294 835 840 845
296 Ala Asp Trp Lys His Arg Arg Glu Pro Pro Pro Gly Pro Leu Asp Arg
297 850 855 860
299 Gly Ser Ser Arg Leu Asp Arg Ser Tyr Ser Tyr Ser Tyr Ser Asn Gly
300 865 870 875 880
302 Pro Gly Pro Phe Tyr Asn Lys Gly Leu Ile Ser Glu Glu Glu Leu Gly
303 885 890 895
305 Ala Ser Val Ala Ser Leu Ser Ser Glu Asn Pro Tyr Ala Thr Ile Arg
306 900 905 910
308 Asp Leu Pro Ser Leu Pro Gly Gly Pro Arg Glu Ser Ser Tyr Met Glu
309 915 920 925
311 Met Lys Gly Pro Pro Ser Gly Ser Pro Pro Arg Gln Pro Pro Gln Phe
312 930 935 940
314 Trp Asp Ser Gln Arg Arg Arg Gln Pro Gln Pro Gln Arg Asp Ser Gly
315 945 950 955 960
317 Thr Tyr Glu Gln Pro Ser Pro Leu Ile His Asp Arg Asp Ser Val Gly
318 965 970 975
320 Ser Gln Pro Pro Leu Pro Pro Gly Leu Pro Pro Gly His Tyr Asp Ser
321 980 985 990
323 Pro Lys Asn Ser His Ile Pro Gly His Tyr Asp Leu Pro Pro Val Arg
324 995 1000 1005
326 His Pro Pro Ser Pro Pro Leu Arg Arg Gln Asp Arg

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/052,648A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 1408

Seq#:14; Xaa Pos. 203

Seq#:15; N Pos. 2004

Seq#:35; Xaa Pos. 848,849,850,851,852,853,854,855,856,857,858,859,860,861

Seq#:35; Xaa Pos. 862,863,864,865,866,867,868,869,870,871,872,873,874,875

Seq#:35; Xaa Pos. 876,877,878,879,880,881,882,883,884,885,886,887,888,889

## VERIFICATION SUMMARY

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Input Set : A:\Cura5501.app

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L:29 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1380  
L:1624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:192  
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1980  
L:3878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:832  
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:848  
L:3884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:864  
L:3887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:880